

10/524,812

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1-12. (CANCELED)

13. (CURRENTLY AMENDED) A shaft-hub connection (1) comprising:

a shaft (2) comprising;

a first centering segment ([A]) 6 located at a free end of the shaft  
having a first diameter (d1) [ ]

a second centering segment axially spaced from the first centering  
segment;

an intermediate toothed segment ([B]) 5 located axially between  
the first and second centering segment, and the [first] second centering segment ([A])  
Z) and the intermediate toothed segment (B) ~~as well as the second centering segment~~  
5) have a same second diameter (d2) which is larger than the first diameter (d1) of  
the [front] first centering segment ([A]) 6;

a hub (3) having a stepped aperture (11) formed therein for receiving the  
shaft (2) in an axial direction (X), the aperture (11) consisting essentially of;

a first segment having a first aperture diameter (D1);

a second segment having a second aperture diameter (D2) which  
is larger than the first aperture diameter (D1); and

wherein the diameter (D1) of the first segment is smaller than the  
diameter (d2) of the intermediate central toothed segment ([B]) 5, and ~~when the shaft~~  
is inserted following insertion into the aperture to form the shaft-hub connection (1),  
the intermediate central toothed segment (B) ~~is forced into~~ cuts an overlapping axial  
engagement with the smaller diameter D1 of the aperture (11) to ~~[[cut]]~~ define a counter  
profile in the hub and ~~[[form]]~~ a positive interference fit between the central toothed  
segment (B) and the first segment of the hub.

14. (ORIGINAL) The shaft-hub connection (1) as set forth in claim 13 wherein  
the first shaft diameter (d1) of the first centering segment (A) is substantially the same  
diameter as the first segment diameter (D1), and the second diameter (d2) of the  
second centering segment (C) is substantially the same as the second segment  
diameter (D2) to form a friction fit.

15. (ORIGINAL) The shaft-hub connection according to claim 13, further  
comprising a groove segment (D) located axially between the central toothed

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